



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

October 27, 2016

Ms. Judith Hykel, Acting Associate Director
For State Programs (3LC50)
United States Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Dear Ms. Hykel:

Enclosed is Pennsylvania's End-of-Year LUST Grant Status Report for FFY 2016. The report summarizes work completed for the six month period April 1, 2016 through September 30, 2016.

Please contact me at 717.783.9284 if you have any questions or concerns.

Sincerely,

A handwritten signature in cursive script that reads "Noreen Wagner".

Noreen Wagner
Site Remediation Division
Storage Tanks and Hazardous Sites
Cleanup Section

Enclosure

cc: Farhan Nuruzzaman, EPA (electronically submitted)

Pennsylvania FY16 Leaking Underground Storage Tank Program: End-of-Year Federal Grant Report

Goal 3: Cleaning Up Communities and Advancing Sustainable Development – Clean up communities, advance sustainable development, and protect disproportionately impacted low-income, minority, and tribal communities. Prevent releases of harmful substances and clean up and restore contaminated areas.

Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants, and clean up and restore polluted sites.

PRC #: 302D87

Workplan Component:
Achievement of LUST
Corrective Action Goals

Work Years/Allocated Funding:
FY 2014: 10/\$1,388,093
FY 2015: 10/\$1,388,093
FY 2016: 10/\$1,388,093

State Contact:
Noreen Wagner 717-783-9284

EPA Contacts:
Program: Farhan Nuruzzaman 215-814-3382
Grants: Evelyn Velazquez 215-814-5412

Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	<p>A. By the end of FY 2016, reduce the regional backlog of LUST cleanups (confirmed releases not yet cleaned up) that do not meet state risk-based standards for human exposure and groundwater migration by 1% per year to a maximum of 14%.</p> <p><i>Note: We are using the national goal number from the FY2011 – 2015 EPA Strategic Plan</i></p>	<p>A1. State will complete an amount of LUST site cleanups to achieve grant-supported and overall goals.</p> <p>Cleanups supported by federal grant:</p> <p>[122] FY14 [122] FY15 [122] FY16</p> <p>Cleanups supported by federal grant and state resources:</p> <p>[339]FY14 [339]FY15 [338]FY16</p> <p>A2. State will report cleanup accomplishments, program trends and innovative approaches. State will analyze cleanup trends and describe any spikes/drops/corrections and their associated reasons.</p>	<p>A1. The DEP Storage Tank and EPA LUST Programs have agreed to corrective action goals established for FY 14/15/16. DEP has a continued commitment to reduce the number of active (backlog) cases from regulated UST releases as part of an EPA Region III and OUST nationwide effort. EPA Region III has established a goal to reduce the number of active/backlog cases by 1% per grant year or to a maximum of 14%.</p> <p>The DEP estimates that the LUST Trust Fund grant (with state match) supports 36% of activities necessary to achieve the desired goal of cleanups completed. This percentage was determined by dividing the estimated FY 14/15/16 grant work effort (12.6 work-years) by the total program work effort averaged over the last three years (FY 11-12-13). The total average work effort for the DEP Cleanup Program was 35 work years. The 36% was also used to calculate the number of cleanups supported by the federal grant.</p> <p>A2. As of September 30, 2013 (EOY FY13), Pennsylvania's backlog stood at 13.6% with 2,134 active cases. The DEP expects to reduce the active/backlog of LUST cleanups by a total of 3% by September 30, 2016. Pennsylvania's backlog currently stands at 10.6% with 1,805 active cases.</p>

Goal 3: Cleaning Up Communities and Advancing Sustainable Development – Clean up communities, advance sustainable development, and protect disproportionately impacted low-income, minority, and tribal communities. Prevent releases of harmful substances and clean up and restore contaminated areas.			
Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants, and clean up and restore polluted sites.			
			PRC #: 302D87
Workplan Component: Achievement of LUST Corrective Action Goals	Work Years/Allocated Funding: FY 2014: 10/\$1,388,093 FY 2015: 10/\$1,388,093 FY 2016: 10/\$1,388,093	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	<p>A. By the end of FY 2016, reduce the regional backlog of LUST cleanups (confirmed releases not yet cleaned up) that do not meet state risk-based standards for human exposure and groundwater migration by 1% per year to a maximum of 14%.</p> <p><i>Note: We are using the national goal number from the FY2011 – 2015 EPA Strategic Plan</i></p>	<p>A3. State will report the number of confirmed releases and indicate the percentage change from the prior year's number.</p> <p>A4. State may report other outputs.</p>	A3. Pennsylvania's confirmed releases at EOY FY15 were 16,734. At EOY FY16, they are 17,092. This is a 2.1% change.

During the second half of FY16, DEP regional staff continued to implement the corrective action process regulations. Outputs for these activities are reported in the LUST4-Underground Storage Tanks Semiannual Measure Report for FY16, which is included as *Attachment A*. The September 30, 2016 eFACTS information was used to produce that end-of-year report. Actions during the six month reporting period were 103 confirmed releases with 105 cleanups initiated. There were 143 cleanups completed, which were supported by the federal grant and state resources. The current cleanup completion rate is 89.4% with an active backlog of 1,805 open cases.

Actual cleanups completed (supported by federal grant and state resources)

Mid-Year FY14 [132]	Mid-Year FY15 [201]	Mid-Year FY16 [270]
EOY FY14 [156]	EOY FY15 [209]	EOY FY16 [143]

The number of cleanups completed during the second half of FY16 helped to exceed our annual goal. The continued use of the eFACTS database report, along with other QA/QC activities, has helped identify incidents with missing or inaccurate data. Data entry controls have been added to the DEP database to correct reporting errors before they are entered and to prevent data from being excluded from reporting. DEP will continue to use the eFACTS database report to further reduce its backlog by continuing to improve the quality of its data and to identify reasons for non-closure of open and historic incidents.

Underground Storage Tank (UST) Environmental Cleanup Program:

According to funding provisions for the program, the DEP may receive up to \$5.5 million annually from the Underground Storage Tank Indemnification Fund (USTIF) to cover costs for corrective action activities at state regulated underground storage tank sites where: 1) DEP must undertake an emergency response action because the tank owner or operator is unwilling or financially incapable to respond in a timely manner to abate an immediate threat to human health or the environment, or; 2) the owner or operator is not eligible for reimbursement from USTIF and there is a continuing source of contamination or risk to human health, or; 3) no owner or operator can be found and there is a continuing source of contamination or risk to human health. Up to \$2 million of the \$5.5 million can be used to assist owners who are financially burdened and no longer in business. Up to \$500,000 of the \$5.5 million can be used to assist owners with corrective action activities at sites for underground heating oil tanks with a capacity of 3,000 gallons or less used for storing heating oil for consumption on the premises where stored. Section 710(c) of the Storage Tank and Spill Prevention Act provides for the DEP to request reimbursement from USTIF for administrative costs in carrying out the UST Environmental Cleanup Program. The DEP requests reimbursement from USTIF for the costs of overseeing state-lead and special projects, and for the costs of administering the Heating Oil Cleanup Reimbursement Program.

Also under the UST Environmental Cleanup Program, the DEP can receive an additional allocation of up to \$5.5 million to be used by DEP to address "catastrophic release" incidents. Catastrophic releases are defined as those incidents that pose a threat to public health and safety and the environment, and where the costs of corrective action may exceed \$3 million. The funding provisions in Section 710 of the Storage Tank and Spill Prevention Act identified above were extended to June 30, 2017.

State funded corrective actions:

The ASTM RBCA Site Classification System continues to be used to justify state-lead actions. The classification system is based on the current and projected degree of hazards to human health and environmental resources. When the site classifications are equal, consideration will be given to sites in communities facing exposure to multiple environmental risks. This is because sites in communities already facing potential pollution from other sources (such as Superfund sites or concentrated sources of air emissions) can add to the cumulative risk to human health. It should be noted that the classification assigned to a site should be reevaluated whenever additional site information becomes available. No revisions to the classification scheme were made over the last six months.

The USTIF Environmental Cleanup Program (state-lead/special projects, heating oil cleanup program, and catastrophic release projects) Financial Status Report Summary is included as *Attachment B*. This Financial Status Report Summary was presented to the USTIF Board at their quarterly meeting on September 22, 2016. DEP representatives attended the USTIF Board meeting on December 10, 2015 and received approval for the following financial allocations to address the Environmental Cleanup Programs:

The "Base" allocation provides DEP with funding to conduct site investigation and remedial action activities at state-lead and special project sites. In addition, this allocation provides for reimbursement to owners of underground heating oil storage tanks with a capacity of 3,000 gallons or less to help defray the cost of corrective action. The DEP requested \$3.3 million for the state FY16. Included in this allocation are administrative costs to oversee state-lead and special projects, and to administer the Heating Oil Reimbursement Program.

DEP completed work at all sites being addressed with Catastrophic Release funding. These sites included: Blue Bell Gulf, located in Whitpain Township, Montgomery County; Tranguch Tire, in the City of Hazleton, Luzerne County; and Lehman Sunoco, located in Lehman Township, Luzerne County. DEP did not request funding for catastrophic sites for the state FY16.

Lastly, the DEP requested \$3 million for the state FY16 to pay for administrative costs relating to investigating, determining responsibility, overseeing remediation and third party response and closing out cases of spills and leaks related to regulated USTs. The Federal LUST Trust Fund grant, supplemented by the USTIF Board allocations, is expected to cover storage tank corrective action program expenses for FY16.

A USTIF Board Meeting is scheduled for December 15, 2016. The DEP LUST Program intends to request the state FY17 financial allocations at that meeting.

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Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites.

PRC #: 302D87

Workplan Component: Reduction of LUST Site Backlog	Work Years/Allocated Funding: FY 2014: 1.2/\$166,494 FY 2015: 1.2/\$166,494 FY 2016: 1.2/\$166,494	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	B. By the end of FY 2016, reduce the regional backlog of LUST cleanups (confirmed releases not yet cleaned up) that do not meet state risk-based standards for human exposure and groundwater migration by 1% per year to a maximum of 14%.	<p>B1. State will analyze LUST site backlog data to characterize the nature of open sites and to determine ways to reduce the backlog in order to achieve or surpass the national goal.</p> <p>B2. State will pursue innovative processes (e.g., Pay-for-Performance, Multi-Site Agreements, RBDM, TRIAD, etc.) to expedite cleanups.</p> <p>B3. State will attend and participate in National Tanks Conferences, EPA Region 3 All-States Meetings, and LUST Technical Workshops, as scheduled.</p> <p>B4. State may report other outputs.</p>	<p>B1. DEP has created an eFACTS database report that can be used to further analyze backlog cases and develop further reduction strategies.</p> <p>B2. The state Indemnification Fund, USTIF, has implemented a pay for performance program that considers a TRIAD approach to UST cleanups and is implementing a competitive bidding program for stalled cases. The DEP continues to work with USTIF to accomplish program goals for both agencies.</p> <p>DEP uses risk-based cleanup standards promulgated under the Land Recycling and Environmental Remediation Standards Act (Act 2) for all corrective actions for releases from regulated USTs. Revisions to Act 2 became effective on August 27, 2016.</p> <p>B3. DEP staff attended (1) the May 2014 EPA Region 3 All States Meeting which was hosted by Pennsylvania and held in Lancaster, PA, (2) the May 2015 All States Meeting hosted by Virginia in Glen Allen, VA, and (3) the National Tanks Conference held in September in Phoenix, AZ.</p> <p>DEP staff also attended the 2016 All States Meeting held on May 24-25 in Annapolis, MD and the LUST Technical Workshop held on September 21-23, 2016.</p>

DEP has created an eFACTS database report that can be used to further analyze backlog cases and develop further reduction strategies. The report will identify sites where closed status has not been reached so regional personnel can review old cases and possibly close out sites.

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Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites.			
			PRC #: 302D87
Workplan Component: Managing Negative Impacts from Fuel Additives and Alternative Fuels	Work Years/Allocated Funding: FY 2014: 0.4/\$55,615 FY 2015: 0.4/\$55,615 FY 2016: 0.4/\$55,615	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases, and by cleaning up and restoring contaminated sites or properties to appropriate levels.	C. By the end of FY 2016, reduce the regional backlog of LUST cleanups (confirmed releases not yet cleaned up) that do not meet state risk-based standards for human exposure and groundwater migration by 1% per year to a maximum of 14%.	C1. State will monitor for MTBE, TBA and other oxygenates, as appropriate, at LUST sites. C2. State will support regional efforts to ascertain impacts from oxygenates and alternative fuels, and to develop program tools to prevent and remediate negative impacts. C3. State may report other outputs.	C1. Pennsylvania requires characterization of MTBE from all releases from regulated USTs. Current research has not exhibited toxicity values for ethanol that allow for the development of a defensible standard for the alcohol derived oxygenates.

A statewide assessment of Pennsylvania's groundwater was conducted jointly with the United States Geological Survey (USGS). The objective of this evaluation was to examine the distribution and concentration of MTBE in groundwater to estimate the vulnerability of groundwater in hydrogeological settings in Pennsylvania. Priority risk sampling was conducted in MTBE use areas, such as southeastern Pennsylvania, the Pittsburgh area, areas of high population density and where underground storage tanks are concentrated or are known to have leaked. The final report issued in 2003 is titled "MTBE Concentrations in Ground Water in Pennsylvania" and may be obtained from the USGS web site <http://pa.water.usgs.gov/reports/wrir03-4201.pdf>.

The Petroleum Short List contains the targeted petroleum compounds determined to be the most persistent and the most threatening to human health and the environment and is located on the Department's website (http://www.portal.state.pa.us/portal/server.pt/community/storage_tank_cleanup_program/20605). A remediator, who conducts site characterizations and demonstrates attainment of cleanup standards involving petroleum products that include hundreds of substances, may sample and analyze for substances listed on the Short List and obtain a release of liability for site remediation when the standards are achieved. The Department also utilizes the Short List of compounds when performing UST closure requirement sampling procedures.

The program continues to review the Petroleum Short List and current "chemicals of concern." In doing so, the program will determine the ability and necessity of establishing soil and groundwater cleanup standards for all chemicals of concern including oxygenates and MTBE. The program's research on ethanol for inclusion on the Short List did not provide adequate risk to human health to establish a standard at this time.

A DEP staff member has been serving on the ITRC Biofuels Team since 2009 and as Team Leader since January 2012. During this time he has been working to implement the ITRC biofuels document by providing internet based training and overall promoting the use of the document. Internet based training was held in March and September 2014. There were no sessions held in 2015 and there are no plans to conduct training in 2016; however sessions will be reinstated depending on demand for this training. To date, there have been no requests for additional training.

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Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites.			
			PRC #: 302D87
Workplan Component: Land Revitalization	Work Years/Allocated Funding: FY 2014: 0.1/\$13,816 FY 2015: 0.1/\$13,816 FY 2016: 0.1/\$13,816	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	D. By the end of FY 2016, reduce the regional backlog of LUST cleanups (confirmed releases not yet cleaned up) that do not meet state risk-based standards for human exposure and groundwater migration by 1% per year to a maximum of 14%.	<p>D1. State will seek to integrate a redevelopment approach into its LUST site cleanup program and to take advantage of funding opportunities made available from Brownfields legislation for abandoned LUST sites.</p> <p>D2. State will seek to share and promote success stories.</p> <p>D3. State will work to enhance community engagement during redevelopment of abandoned LUST sites, as appropriate.</p> <p>D4. State may report other outputs.</p>	<p>D1. The Land Recycling (State Brownfields) Program continues to be a DEP priority for economic revitalization. The Storage Tank Cleanup Program is a vital component to the revitalization effort. The Cleanup Program has participated in two UST Field Pilot projects in the past and will continue to apply for funding available under the Federal Brownfields Grants when applicable. In Pennsylvania, the State Brownfields and Cleanup Program work together within the Bureau of Environmental Cleanup and Brownfields and work together to promote redevelopment of LUST sites.</p> <p>D2. Under PA's Brownfields Program, DEP produces videos and fact sheets to share and promote success stories. These videos and fact sheets are available on DEP web pages.</p> <p>D3. DEP has many tools for community engagement. Extensive information exists on our website. Additionally, DEP regional offices are staffed with Local Government Liaisons and Community Relations Specialists who interact with the public.</p>

The Remediation Program, the UST Program and the Land Recycling Program (Brownfields) formed a new independent Bureau in 2013. This Bureau, titled Environmental Cleanup and Brownfields, has authority for implementing the LUST, UST and Brownfields Programs. The LUST Program fully supports Brownfields program objectives. The Land Recycling Program has applied, and expects to continue to apply, for funding available under the Federal Brownfields legislation for LUST sites. Activities accomplished with Brownfields' funding will be reported in the Land Recycling Program Brownfields' grant status report.

The PA Legislature passed the Uniform Environmental Covenant Act (UECA) on December 18, 2007. The LUST Program is required to implement provisions of UECA in the UST Corrective Action Process. As of February 19, 2008, UST Remedial Action Completion Reports require covenants when an engineering or institutional control is used to demonstrate the attainment of an Act 2 cleanup standard for remediation of petroleum releases. A Covenant Registry with an inter-active map is available to the public on the DEP web site and includes the following information: Site name and address, facility ID, parcel #, lat./long. data, as well as electronic copies of the applicable environmental covenant. Additional information on UECA, including a model environmental covenant, may be obtained from the program web site. (http://www.portal.state.pa.us/portal/server.pt/community/uniform_environmental_covenants_act/21547) The Land Recycling Program published regulations on November 20, 2010 under Chapter 253, Administration of the Uniform Environmental Covenants Act to implement the UECA statute.

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Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites.

PRC #: 302D87

Workplan Component: Administrative & Program Planning	Work Years/Allocated Funding: FY 2014: 0.9/\$124,871 FY 2015: 0.9/\$124,871 FY 2016: 0.9/\$124,871	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	E. State will develop and maintain administrative and planning functions sufficient to implement an effective LUST program.	<p>E1. State will maintain an effective Cost Recovery program in accordance with 40 CFR part 31, OSWER Directive 9650.10A, and with other applicable regulations or guidance. State will report the amount of federal LUST trust funds recovered.</p> <p>E2. State will ensure the quality of data management systems and eliminate data entry backlogs via periodic data reviews, training, and database improvements.</p> <p>E3. State will foster and enhance partnerships with Water Programs to address petroleum groundwater contamination.</p> <p>E4. State will support State Program Approval efforts, as needed.</p> <p>E5. State will report Semi-Annual Measures data into the LUST4 database within 7 calendar days of the end of the semi-annual reporting period (by April 7 and October 7).</p>	<p>E1. The DEP has committed to maintain a financial cost accounting system which meets the requirements of 40 CFR 31.20. The DEP agrees to organize and maintain site-specific information consistent with accounting thresholds and policies described in LUST Trust Fund Cooperative Agreement Guidelines (OSWER Directive 9650.10A dated May 24, 1994). The DEP agrees to adhere to the principles of documentation and record retention specified in The Leaking Underground Storage Tank Trust Fund State Financial Management Handbook dated March 1989.</p> <p>E2. DEP staff continues to evaluate the data management system within the Department's Environment, Facility, Application, Compliance Tracking System (eFACTS) to track progress of responsible party led cleanups and maintain data management in each of the six DEP regional offices.</p> <p>E3. Impacts to public and private water supplies are evaluated for each release from regulated USTs and we coordinate with Water Programs as needed.</p> <p>E4. DEP will continue to work with EPA to coordinate revisions to the Corrective Action Process regulations authorized through the State Program Approval process.</p>

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Objective 3.3: Restore Land – Prepare for and respond to accidental or intentional releases of contaminants and clean up and restore polluted sites.			
			PRC #: 302D87
Workplan Component: Administrative & Program Planning	Work Years/Allocated Funding: FY 2014: 0.9/\$124,871 FY 2015: 0.9/\$124,871 FY 2016: 0.9/\$124,871	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	E (cont'd.). State will develop and maintain administrative and planning functions sufficient to implement an effective LUST program.	<p>E6. State will submit narrative Self-Assessment Reports within 30 days after the end of the semi-annual reporting period (by April 30 and October 30), and participate in semi-annual reviews.</p> <p>E7. State will allocate In-Kind funding to support staff attendance at National Tanks Conferences, EPA Region 3 All-States Meetings, and LUST Technical Workshops, as scheduled.</p> <p>E8. State will support regional and EPA strategic planning efforts.</p> <p>E9. State will prepare and maintain current, EPA-approved QMP (approved 1/2011) & QAPP (approved 10/2012). State will also review the existing EPA-approved plan by year-end and report on need to revise/update the plan.</p> <p>E10. State may report other outputs.</p>	<p>E5& E6. DEP will submit SAARs through the LUST4 database and narrative Self-Assessment Reports semi-annually for each grant year for FY 14/15/16 as required by EPA.</p> <p>E7. DEP staff attended the 2016 LUST Technical Workshop hosted by D.C. and held in Gettysburg, PA on September 21-23. The state in-kind funding support was utilized for DEP staff to attend the workshop.</p> <p>DEP staff also attended the 2014, 2015, and 2016 EPA Region 3 All States Meetings as well as the National Tanks Conference held in September 2015.</p> <p>E8. Pennsylvania will support regional and EPA strategic planning efforts.</p> <p>E9. DEP will maintain and implement the EPA-approved QAPP and QMP in accordance with 40 CFR 31.45. The Agency QMP was approved by EPA in April 2016 and the Program QAPP will be revised in 2017. No updates or revisions are due at this time.</p>

The PA LUST Program's compliance effort with the Energy Policy Act has included additional public notification requirements in the eFACTS database system and added additional source/cause reporting requirements on the Release Notification Forms. All information will be tracked and is available to the public in the eFACTS system and summarized annually on the DEP storage tank cleanup web site.

The eFACTS database continued to track the progress of corrective actions during the second half of FY16. Outputs for these activities are reported in the LUST4-Underground Storage Tanks Semiannual Measure Report for FY16, which is included as *Attachment A*.

Storage tank release information is made available through the Department's eFACTS public web site. The eFACTS public web site provides access to information pertaining to facilities regulated by the Department within a particular municipality. To obtain storage tank release incident information via the internet, access the DEP Web Site at <http://www.dep.state.pa.us> (choose Licensing, Permits, & Certification, and then eFACTS).

Additional storage tank release information derived from eFACTS is available on the storage tank cleanup program's web site. The report listing over 16,500 regulated release incidents includes the facility ID, facility name, facility location, incident description, confirmed release date, release type and cleanup status. To obtain storage tank release incident information via the internet, access the DEP Web Site at <http://www.dep.pa.gov/Business/Land/SiteRemediation/Storage-Tank-Cleanup-Program/Pages/default.aspx>.

During the second half of FY16, the storage tank cleanup program maintained its homepage on the DEP web site. Through the homepage, interested parties may view and download corrective action fact sheets, the closure guidance, forms and review monthly updates of the regulated storage tank release incidents.

A "Cost Recovery Policy for the Leaking Underground Storage Tank Trust Fund" was previously approved by EPA Region III in accordance with EPA's OSWER Directive 9610.10A. No revisions have been made to the document. A cost recovery file is maintained for each state-lead site and catastrophic funded site. Each cost recovery file contains case documentation, case summary, contracts/agreements, invoices, timesheet data, contract correspondence and contractor reports. These files are available for inspection in DEP's Central Office.

The DEP Agency QMP was recently revised and subsequently approved by EPA on April 22, 2016. The QAPP for the Storage Tank Corrective Action Program was approved by EPA in October 2012. It will be revised again in 2017. As discussed during the workshop held on October 8, 2015, DEP will use the EPA Region 9 Guidance for Quality Assurance Program Plans (R9QA/03.2) during the revision process.

The DEP is currently in the process of revising its state UST regulations to reflect the recent 2015 EPA regulation changes. DEP will revise Chapter 245 to be no less stringent than the federal requirements and apply for revised state program approval by October 13, 2018.

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			PRC #: 302D87
Workplan Component: Miscellaneous Program Activities	Work Years/Allocated Funding: FY 2014: FY 2015: FY 2016:	State Contact: Noreen Wagner 717-783-9284	EPA Contacts: Program: Farhan Nuruzzaman 215-814-3382 Grants: Evelyn Velazquez 215-814-5412
Environmental Outcomes	Measures	Outputs for FY14 - 16 (Commitments)	Status/Comment
To control the risks to human health and the environment by mitigating the impact of accidental or intentional releases and by cleaning up and restoring contaminated sites or properties to appropriate levels.	F. Describe the measure for any state-specific activity not addressed elsewhere	F1. State may report other State-specific outputs not previously covered.	

ATTACHMENT A



LUST4 - Underground Storage Tanks

Release 2.5

[Logout](#)
[Semiannual Measures > Record Detail](#)
[Edit Record](#)
[Back](#)
[Help](#)

Note: This record has been submitted to the EPA Regional Office and cannot be modified by the state unless it is rejected and sent back by the EPA Region or HQ.

Region
 Record Name
 State
 Year
 Reporting Period
 State Submitter
 Regional Submitter
 Awaiting to be Reviewed By

[Read-Only](#)

Definition	Cumulative Total	Actions This Reporting Period	Corrections This Reporting Period	Total	State Comment	Region Comment	HQ Comment
UST-1: Total Number of Petroleum UST Systems Regulated under Subtitle I (active and closed)	89084	186	0	89270	1490 petroleum USTs are in Temporary Out of Use status and are included in this number.	R3 concurs with PA's comment.	
UST-2: Total Number of Permanently Closed Petroleum UST Systems Regulated under Subtitle I	66498	268	0	66766	Total number of UST Systems storing a petroleum substance closed within the current reporting period.	R3 concurs with PA's comment.	

Read-Only

UST-3: Total Number of Hazardous Substance UST Systems (active and closed)	2502	8	0	2510	5 hazardous substance USTs are in Temporary Out of Use status and are included in this number.	R3 concurs with PA's comment.
UST-4: Percentage of UST Facilities in Significant Operational Compliance with UST Release Prevention (spill, overfill, and corrosion protection) Requirements	0	85.5%	0	0		
UST-5: Percentage of UST Facilities in Significant Operational Compliance with UST Release Detection Requirements	0	85.1%	0	0		
UST-6: Percentage of UST Facilities in Significant Operational Compliance with UST Release Detection and Release Prevention (spill, overfill, and corrosion) Requirements	0	75.9%	0	0		
UST-7: Number of On-Site Inspections Conducted	1668	1605	0	3273		
UST-8: Number of USTs (or UST Facilities) Identified as Being Ineligible for Delivery, Deposit or Acceptance of Product)	9	12	0	21	Entries reflect the number of USTs for Delivery Prohibition reporting purposes.	R3 concurs with PA's comment.
LUST-1: Number of Confirmed Releases	16989	103	0	17092	Entry reflects the number of releases reported during the reporting period.	R3 concurs with PA's comment.

Read-Only

LUST-2a: Number of Cleanups Initiated (RP lead and/or State lead with State money)	16878	105	0	16983	N/A	LUST 2 thru 4#s OK on 11/17/16 @ 9:52AM
LUST-2b: Number of Cleanups Initiated (State lead with TF money)	35	0	0	35		
LUST-3a: Number of Cleanups Completed (RP lead and/or State lead with State money)	15118	143	0	15261	N/A	
LUST-3b: Number of Cleanups Completed (State lead with TF money)	26	0	0	26		
LUST-4: Number of Emergency Responses	28	0	0	28		

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ATTACHMENT B

Underground Storage Tank Indemnification Fund

9/22/2016

Environmental Cleanup Program - State Lead - Special Projects - Heating Oil - Allocations/Expenditures

Board Date	Board Allocation	Allocation incl Prior Yr Bal	Fiscal Year	# SL Proj	# Sp Proj	Budget	Commitments	Expenditures (incl DEP Admin)	Allocation Balance
Sep-06	\$ 1,550,000.00	\$2,626,633.00	2007/08	16	1			\$ 1,437,041.00	\$ 1,189,592.00
Sep-07	\$ 200,000.00	\$1,389,592.00	2008/09	17	1			\$ 1,649,416.00	\$ (259,824.00)
Sep-08	\$ 1,675,000.00	\$1,415,176.00	2009/10	17	1			\$ 1,531,787.00	\$ (116,611.00)
Dec-09	\$ 2,100,000.00	\$1,983,389.00	2010/11	15	1			\$ 2,005,388.00	\$ (21,999.00)
Dec-10	\$ 2,500,000.00	\$2,478,001.00	2011/12	31	1			\$ 2,326,815.00	\$ 151,186.00
Dec-11	\$ 3,200,000.00	\$3,351,186.00	2012/13	35	1			\$ 2,864,292.00	\$ 486,894.00
Dec-12	\$ 2,500,000.00	\$2,986,894.00	2013/14	36	2			\$ 2,453,977.00	\$ 532,917.00
Dec-13	\$ 2,800,000.00	\$3,332,917.00	2014/15	34	1			\$ 2,774,538.00	\$ 558,379.00
Dec-14	\$ 3,600,000.00	\$4,158,379.00	2015/16	32	1	\$2,301,413.00	\$ 4,645.00	\$ 2,296,768.00	\$ 1,856,966.00
Dec-15	\$ 3,300,000.00	\$5,156,966.00	2016/17	33	1	\$3,559,984.00	\$ 2,994,114.00	\$ 565,870.00	\$1,596,982.00

Environmental Cleanup Program - Heating Oil Cleanup Grant Totals

Fiscal Year	# Appls Rcd	# Appls Pending	#Appls Returned	# Grnts Apprv	Grants Denied	Expenditures
2011/12	134		0	130	4	\$ 495,409.17
2012/13	129		0	126	3	\$ 499,998.70
2013/14	125		0	123	2	\$ 497,398.64
2014/15	128		0	123	5	\$ 500,000.00
2015/16	127	0	0	124	3	\$ 500,000.00
2016/17	126	0	0	123	3	\$ 499,338.00

Environmental Cleanup Program - Catastrophic Release Projects - Allocations/Expenditures

Board Date	Board Allocation	Allocation incl Prior Yr Bal	Fiscal Year	# Project	Budget	Commitments	Expenditures (incl DEP Admin)	Allocation Balance
Sep-06	\$ -	\$ 1,301,905.00	2007/08	3			\$ 731,283.00	\$ 570,622.00
Sep-07	\$ 500,000.00	\$ 1,070,622.00	2008/09	3			\$ 759,710.00	\$ 310,912.00
Sep-08	\$ 100,000.00	\$ 410,912.00	2009/10	3			\$ 476,135.00	\$ (65,223.00)
Dec-09	\$ 725,000.00	\$ 659,777.00	2010/11	3			\$ 532,679.00	\$ 127,098.00
Dec-10	\$ 400,000.00	\$ 527,098.00	2011/12	3			\$ 522,654.00	\$ 4,444.00
Dec-11	\$ 400,000.00	\$ 404,444.00	2012/13	3			\$ 351,490.00	\$ 52,954.00
Dec-12	\$ 250,000.00	\$ 302,954.00	2013/14	3			\$ 257,143.00	\$ 45,811.00
Dec-13	\$ 100,000.00	\$ 145,811.00	2014/15	3			\$ 111,850.00	\$ 33,961.00
Dec-14	\$ -	\$ 33,961.00	2015/16	0	\$ 4,283.00	\$ -	\$ 4,283.00	\$ 29,678.00